

In the Claims:

Please cancel claims 4-12.

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CLAIMS

1. (original) A method of regenerating a spent catalyst composition for decomposing volatile organic compounds comprising washing the spent catalyst composition with water.
2. (original) A method of regenerating a spent catalyst composition for decomposing organophosphonate compounds, said catalyst composition containing a catalyst selected from the group consisting of manganese oxide, vanadium, vanadium oxide, activated carbon, diphosphorus pentaoxide and mixtures thereof, comprising washing the spent catalyst composition with water.
3. (original) A method of regenerating a spent catalyst composition containing a catalyst selected from the group consisting of manganese oxide, titanium dioxide, vanadium, vanadium oxide, activated carbon, diphosphorus pentaoxide and mixtures thereof, comprising treating the catalyst composition by a process selected from the washing with water, washing with a solvent, heating, exposing to light, purging with oxygen, purging with a reactive gas, exposing to microwave radiation, and combinations thereof.
4. (canceled) A catalytic reactor comprising a catalyst composition consisting of manganese oxide catalyst carried on a catalyst support material and a visible light source.
5. (canceled) A catalytic reactor comprising a catalyst composition and heat source for heating said catalyst composition to a temperature of at least 300 C, said catalyst composition containing a catalyst selected from the group consisting of manganese oxide, vanadium, vanadium oxide, activated carbon, diphosphorus pentaoxide and mixtures thereof.

6. (canceled) An air cleaner for a vehicle comprising a catalyst selected from the group consisting of manganese oxide and mixtures thereof carried on a catalyst support material and a visible light source.

7. (canceled) An air cleaner as recited in claim 6 wherein the vehicle is an aircraft.

8. (canceled) An air cleaner for a building comprising a catalyst composition consisting of manganese oxide catalyst carried on a catalyst support material and a visible light source.

9. (canceled) An air cleaner for a vehicle comprising a catalyst composition and a heat source for heating said catalyst composition to a temperature of at least 300 C, said catalyst composition containing a catalyst selected from the group consisting of manganese oxide, vanadium, vanadium oxide, activated carbon, diphosphorus pentaoxide and mixtures thereof.

10. (canceled) An air cleaner as recited in claim 9 wherein the vehicle is an aircraft.

11 (canceled) An air cleaner for a building comprising a catalyst composition and a heat source for heating said catalyst composition to a temperature of at least 300 C, said catalyst composition containing a catalyst selected from the group consisting of manganese oxide, vanadium, vanadium oxide, activated carbon, diphosphorus pentaoxide and mixtures thereof.

12. (canceled) A personal protection device for filtering breathing air comprising a catalyst composition consisting of manganese oxide catalyst carried on a catalyst support material and a visible light source.